

File 348:EUROPEAN PATENTS 1978-2004/Apr W01

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File 349:PCT FULLTEXT 1979-2002/UB=20040408,UT=20040401

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Set	Items	Description
S1	89657	(CARDIAC? OR HEART?? OR AORTA OR HEARTBEAT? OR HEART()BEAT? OR CARDIOVASCULAR?)
S2	29460	(IMAG? OR PICTURE? OR PHOTOS OR PHOTOGRAPH?) (3N)SCAN?
S3	259	CARDIAC(3N)CYCLE?(3N)SIGNAL?
S4	0	(GENERAT? OR CREAT? OR COMPOS? OR DERIV?) (3N)S3(3N) (USING - OR "WITH" OR "FROM") (3N)S2
S5	62970	IC=(G06T? OR A61B?)
S6	1	S2(5N)S3
S7	4	(CARDIAC? OR HEART?? OR AORTA OR HEARTBEAT? OR HEART()BEAT? OR CARDIOVASCULAR?) (3N)SCAN?(5N)S3
S8	3	S7 NOT S6
S9	3	IDPAT (sorted in duplicate/non-duplicate order)
S10	3	IDPAT (primary/non-duplicate records only)

6/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00892451 **Image available**

SELECTION OF MEDICAL IMAGES BASED ON IMAGE DATA
SELECTION D'IMAGES MEDICALES A PARTIR DE DONNEES D'IMAGE

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200226125 A2-A3 20020404 (WO 0226125)
Application: WO 2001US30011 20010926 (PCT/WO US0130011)
Priority Application: US 2000669395 20000926

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8783

Fulltext Availability:

Claims

Claim

... one or more locations along the extent of
the cardiovascular system;
I 0 deriving a **cardiac cycle signal** from the plurality of **scanned
images** ; and assigning a phase in the cardiac cycle to each scanned
image.

11 The method...images representing one or more locations along the
extent of
the cardiovascular system;
deriving a **cardiac cycle signal** from the plurality of **scanned
images** ; and assigning a phase in the cardiac cycle to each scanned
image.

38 The computer...

?

10/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01264958

Methods and apparatus for cardiac imaging with conventional computed tomography

Verfahren und Gerat zur Herzbilddarstellung mit konventioneller errechneter Tomographie

Methode et appareil a l'imagerie cardiaque par tomographie classique assistee par ordinateur

PATENT ASSIGNEE:

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Acharya, Kishore, 1325 Ridgeway Road, Brookfield, Wisconsin 53005, (US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1090586 A2 010411 (Basic) →
EP 1090586 A3 011031

APPLICATION (CC, No, Date): EP 2000308616 000929;

PRIORITY (CC, No, Date): US 410157 990930

DESIGNATED STATES: DE; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61B-006/00; A61B-006/03

ABSTRACT WORD COUNT: 80

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200115	406
SPEC A	(English)	200115	5304
Total word count - document A			5710
Total word count - document B			0
Total word count - documents A + B			5710

...SPECIFICATION neighboring views in adjacent segments has substantially the same z-axis location.

27. A **scanning** computed tomography (CT) imaging system for imaging a **heart**, said system configured to:

compute a **cardiac cycle** of a patient from an EKG **signal**;

scan the patient's **heart** a plurality of times at a cycle rate asynchronous to the measured cardiac cycle to...

...CLAIMS an amount equal to a volume coverage of data in a preceding scan.

6. A **scanning** computed tomography (CT) imaging system for imaging a **heart**, said system configured to:

compute a **cardiac cycle** of a patient from an EKG **signal**;

scan the patient's **heart** a plurality of times at a cycle rate asynchronous to the measured cardiac cycle to...

US. 6639965 B1
9/30/99
102(e) date

10/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01048166 **Image available**

**MULTIPLE SCAN-PLANE ULTRASOUND IMAGING OF OBJECTS
FORMATION D'IMAGES ULTRASONORES A PLANS DE BALAYAGE MULTIPLES D'OBJETS**

Patent Applicant/Inventor:

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NO (Nationality)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200377766 A1 20030925 (WO 0377766)

Application: WO 2003N089 20030313 (PCT/WO N00300089)

Priority Application: US 2002364747 20020315

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT
RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7844

Fulltext Availability:

Detailed Description

Detailed Description

... relaxation, one can image a full cardiac cycle for each
scan plane, and change the **scan** plane at the end of the
cardiac cycle , for example triggered by the ECG **signal** .

For assessment of regional wall motion abnormalities of the
heart , it is important that the time delay is minimal between
the beams that samples the...

10/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00946446 **Image available**

**LEVER COIL SENSOR FOR RESPIRATORY AND CARDIAC MOTION
BOBINE DETECTRICE A LEVIER DE MOUVEMENTS RESPIRATOIRES ET CARDIAQUES**

Patent Applicant/Assignee:

THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by THE
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200278542 A2-A3 20021010 (WO 0278542)
Application: WO 2002US9957 20020327 (PCT/WO US0209957)
Priority Application: US 2001822881 20010330

Parent Application/Grant:

Related by Continuation to: US 2001822881 20010330 (CIP)

Designated States: AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY
BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK
(utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model)
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK
(utility model) SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10771

Fulltext Availability:

Detailed Description

Detailed Description

... to monitor the I O respiratory cycle of a patient being imaged. During
a MRI **scan** , noise wave forms or spikes are superimposed on the **cardiac**
cycle signal . A noise spike detector detects spikes. Specifically, a
comparator compares each wave form
?